

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. PUNIV.4DV1C1	APPLICATION NO. Filed herewith
	APPLICANT Bassler, et al.	
	FILING DATE Filed herewith	GROUP Unknown

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
(Kw)	1.	4,107,121	08/15/1978	Stoy	260	29.6	
	2.	4,692,417	09/08/1987	Webster	438	518	
	3.	4,881,709	08/29/1989	Ulitzur et al.	435	6	
	4.	4,895,566	01/23/1990	Lee	604	266	
	5.	4,917,886	04/17/1990	Bayston et al.	604	265	
	6.	4,852,419	08/28/1990	De Leon et al.	427	2	
	7.	5,013,306	05/07/1991	Solomon et al.	604	265	
	8.	5,196,318	03/23/1993	Baldwin et al.	435	69.1	
	9.	5,593,827	01/14/1997	Bycroft et al.	435	6	
	10.	5,612,184	03/18/1997	Rosson	435	6	
	11.	5,637,113	06/10/1997	Tartaglia et al.	623	1	
	12.	5,658,748	08/19/1997	Mäyrä Mäkinen et al.	435	29	
	13.	5,759,798	06/02/1998	Dunlap	435	29	
	14.	5,788,979	08/04/1998	Alt et al.	424	428	
	15.	5,902,283	05/11/1999	Darouiche et al.	604	265	
	16.	5,925,552	07/20/1999	Keogh et al.	435	174	
	17.	6,017,722	01/25/2000	Becvar et al.	435	8	
	18.	6,020,121	02/01/2000	Bao	435	4	
	19.	6,057,288	05/02/2000	Pearson et al.	514	2	
	20.	6,117,485	09/12/2000	Woodhall et al.	427	156	
(Kw)	21.	6,197,591	03/06/2001	Stutzman-Engwall et al.	435	486	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
W	22.	WO 98/13328	04/02/98	PCT				
	23.	WO 98/40346	09/17/98	PCT				
W	24.	WO 98/58075	12/23/98	PCT				

EXAMINER	<i>W. Weddell</i>	DATE CONSIDERED	10-11-05
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. PUNIV.4DV1C1	APPLICATION NO. Filed herewith
	APPLICANT Bassler, et al.	
	FILING DATE Filed herewith	GROUP Unknown

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	25.	WO 99/00349	01/07/99	PCT				
fe	26.	WO 99/01119	01/14/99	PCT				
	27.	WO 99/29847	06/17/99	PCT				
	28.	WO 99/47545	09/23/99	PCT				
	29.	WO 00/11021	03/02/00	PCT				
	30.	WO 00/32152	06/08/00	PCT				
ke	31.	WO 01/85654 A2	11/15/01	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
U	32. Adams et al., "The expression of hybrid HIV : Ty virus-like particles in Yeast" <u>Nature</u> , Vol. 329, pp. 68-70 (September 3, 1987)
	33. Ahmer et al., "Salmonella typhimurium Encodes an SdiA Homolog, a Putative Quorum Sensor of the LuxR Family, That Regulates Genes on the Virulence Plasmid" <u>Journal of Bacteriology</u> , pp. 1185-1193 (March 1998)
	34. Allart et al., "The catalytic mechanism of adenosylhomocysteine/methylthioadenosine nucleosidase from <i>Escherichia coli</i> : Chemical evidence for a transition state with a substantial oxocarbenium character" <u>Eur. J. Biochem.</u> , 256, pp. 155-162 (1998)
	35. Baines et al., "Purification of Immunoglobulin G (IgG)" <u>Methods in Molecular Biology</u> , Vol. 10: Immunochemical Protocols, Ed: M. Manson (1992)
	38. Bassler et al. "Intercellular signaling in <i>Vibrio harveyi</i> : sequence and function of genes regulating expression of luminescence" <u>Molecular Microbiology</u> , 9(4) 773-786 (1993)
	37. Bassler et al., "Multiple signaling systems controlling expression of luminescence in <i>Vibrio harveyi</i> : sequence and function of genes encoding a second sensory pathway" <u>Molecular Microbiology</u> , 13(2), pp. 273-286 (1994)
	38. Bassler et al. "Intercellular Communication in Marine <i>Vibrio</i> Species: Density-Dependent Regulation of the Expression of Bioluminescence" <u>Two-Component Signal Transduction</u> , pp. 431-445 (1995)
	39. Bassler et al., "Cross-Species Induction of Luminescence in the Quorum-Sensing Bacterium <i>Vibrio harveyi</i> ", <u>Journal of Bacteriology</u> , Vol. 179, No. 12, pp. 4043-4045 (June 1997)
	40. Bassler, "How bacteria talk to each other: regulation of gene expression by quorum sensing" <u>Current Opinion in Microbiology</u> , 2:582-587 (1999)
	41. Bassler et al., "A Multichannel Two-Component Signaling Relay Controls Quorum Sensing in <i>Vibrio Harveyi</i> " <u>Cell-Cell Signaling in Bacteria</u> , pp. 259-273 (1999)
	42. Bitter, "Heterologous Gene Expression in Yeast" <u>Methods in Enzymology</u> , Vol. 152, pp. 673-684 (1987)
	43. Bitter et al. "Expression and Secretion Vectors for Yeast" <u>Methods in Enzymology</u> , Vol. 153, pp. 516-544 (1987)
	44. Blattner et al. "The Complete Genome Sequence of <i>Escherichia coli</i> K-12" <u>Science</u> , Vol. 277, pp. 1453-1462 (1997)
	45. Brückner et al. "Regulation of the Inducible chloramphenicol acetyltransferase gene of the <i>Staphylococcus aureus</i> plasmid pUB112" <u>The EMBO Journal</u> , Vol. 4 no. 9, pp. 2295-2300 (1985)
	46. Caetano-Anollés, "Amplifying DNA with Arbitrary Oligonucleotide Primers" <u>PCR Methods and Applications</u> , 3:85-94 (1993)
U	47. Cheung et al. "Diminished Virulence of a <i>sal</i> lagr Mutant of <i>Staphylococcus aureus</i> in the Rabbit Model of Endocarditis" <u>The Journal of Clinical Investigation</u> , Inc., Vol. 84, pp. 1815-1822 (1994)

EXAMINER <u>W. Widdell</u>	DATE CONSIDERED <u>10-11-05</u>
<p><b>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</b></p>	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. PUNIV.4DV1C1	APPLICATION NO. Filed herewith
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Bassler, et al.	
		FILING DATE Filed herewith	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
W	48.	Conner et al. "Detection of sickle cell $\beta^S$ -globin allele by hybridization with synthetic oligonucleotides" <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 80, pp. 278-282 (January 1983)
	49.	Cornell et al., "Characterization of Recombinant <i>Escherichia coli</i> 5'-Methylthioadenosine/S-Adenosylhomocysteine Nucleosidase: Analysis of Enzymatic Activity and Substrate Specificity" <u>Biochemical and Biophysical Research Communications</u> , 228, pp. 724-732, Article No. 1723 (1996)
	50.	Cornell and Riscoe, "Cloning and expression of <i>Escherichia coli</i> 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase Identification of the <i>pts</i> gene product" <u>Biochimica et Biophysica Acta</u> 1396, pp. 8-14 (1998)
	51.	Devereux et al. "A comprehensive set of sequence analysis programs for the VAX" <u>Nucleic Acids Research</u> , Vol. 12, No. 1, pp. 387-395 (1984)
	52.	Dodd et al. "Improved detection of helix-turn-helix DNA-binding motifs in protein sequences" <u>Nucleic Acids Research</u> , Vol. 18, No. 17, pp. 5019-5028 (1990)
	53.	Duerre, "A Hydrolytic Nucleosidase Acting on S-Adenosylhomocysteine and 5'-Methylthioadenosine" <u>The Journal of Biological Chemistry</u> , Vol. 237, No. 12 pp. 3737-3741 (December 1962)
	54.	Duerre and Miller, "Cleavage of S-Rebosyl-L-Homocysteine by Extracts from <i>Escherichia coli</i> " <u>Journal of Bacteriology</u> , Vol. 91, No. 3, pp. 1210-1217 (1966)
	55.	Eberhard et al., "Structural Identification of Autoinducer of <i>Photobacterium fischeri</i> Luciferase" <u>Biochemistry</u> , Vol. 20, No. 9, pp. 2444-2449 (1981)
	56.	Eberhard et al. "Analogues of the autoinducer of bioluminescence in <i>Vibrio fischeri</i> " <u>Arch Microbiol.</u> , 146:35-40 (1986)
	57.	Engelbrecht et al. "Bacterial Bioluminescence: Isolation and Genetic Analysis of Functions from <i>Vibrio fischeri</i> " <u>Cell</u> , Vol. 32, pp. 773-781 (1983)
	58.	Erion et al., "Purine Nucleoside Phosphorylase. 1. Structure-Function Studies" <u>Biochemistry</u> , 36, pp. 11725-11734 (1997)
	59.	Freeman and Bassler, "A genetic analysis of the function of LuxO, a two-component response regulator involved in quorum sensing in <i>Vibrio harveyi</i> ", <u>Molecular Microbiology</u> , 31(2), pp. 665-677 (1999)
	60.	Freeman and Bassler, "Sequence and Function of LuxU: a Two Component Phosphorelay Protein That Regulates Quorum Sensing in <i>Vibrio harveyi</i> ", <u>Journal of Bacteriology</u> , Vol. 181, No. 3, pp. 899-908 (February 1999)
	61.	Fuqua et al. "Quorum Sensing in Bacteria: the LuxR-LuxI Family of Cell Density-Responsive Transcriptional Regulators" <u>Journal of Bacteriology</u> , pp. 269-275 (January 1994)
	62.	Garcia-Lara et al. "An Extracellular Factor Regulates Expression of <i>sdhA</i> , a Transcriptional Activator of Cell Division Genes in <i>Escherichia coli</i> " <u>Journal of Bacteriology</u> , pp. 2742-2748 (May 1996)
	63.	Gilson et al. "AinS and a New Family of Autoinducer Synthesis Proteins" <u>Journal of Bacteriology</u> , pp. 6946-6951 (December 1995)
	64.	Goodman and Gilman's <u>The Pharmacological Basis of Therapeutics</u> 7 <sup>th</sup> Ed., Macmillan Publishing Company (1985)
	65.	Goodman & Gilman's <u>The Pharmacological Basis of Therapeutics</u> , 8 <sup>th</sup> Ed., "Chemotherapy of Microbial Diseases", Section IX, pp. 1027-1223 (1996)
	66.	Green and Manson, "Production of Polyclonal Antisera" <u>Methods in Molecular Biology</u> , Vol. 10: Immunochemical Protocols Ed.: M. Manson, Ch. 1, pp. 1-5 (1992)
	67.	Greenberg et al. "Induction of Luciferase Synthesis in <i>Beneckea harveyi</i> by Other Marine Bacteria" <u>Arch Microbiol.</u> , 120, pp. 87-91 (1979)
	68.	Harlow and Lane, <u>Antibodies: A Laboratory Manual</u> , Cold Spring Harbor Laboratory (1988)
	69.	Hu et al., "Crystal Structure of S-Adenosylhomocysteine Hydrolase from Rat Liver" <u>Biochemistry</u> , 38, pp. 8323-8333 (1999)
	70.	Huisman and Kotler, "Sensing Starvation: A Homoserine Lactone-Dependent Signaling Pathway in <i>Escherichia coli</i> " <u>Science</u> , Vol. 265, pp. 537-539 (July 22, 1994)
	71.	Jones et al., "Molecular analysis of the operon which encodes the RNA polymerase sigma factor $\sigma^{54}$ of <i>Escherichia coli</i> " <u>Microbiology</u> , 140, pp. 1035-1043 (1994)
	72.	Kaplan et al. "Synthesis of N-[3-OXO-(4,5- <sup>3</sup> H <sub>2</sub> )-Hexanoyl] Homoserine Lactone: Biologically Active Tritium-Labelled <i>Vibrio fischeri</i> Autoinducer" <u>Journal of Labelled Compounds and Radiopharmaceuticals</u> -Vol. XXII, No. 4, pp. 387-395 (1985)
	73.	Kean, "Plants and Microorganisms-listening in on the conversation" <u>Nature Biotechnology</u> , Vol. 17, pp. 958-959 (October 1999)
W	74.	Klose and Mekalanos, "Distinct roles of an alternative sigma factor during both free-swimming and colonizing phases of the <i>Vibrio cholerae</i> pathogenic cycle" <u>Molecular Microbiology</u> , 28(3), pp. 501-520 (1988)

EXAMINER	W. J. Bassler	DATE CONSIDERED	10-11-05
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. PUNIV.4DV1C1	APPLICATION NO. Filed herewith
	APPLICANT Bassler, et al.	
	FILING DATE Filed herewith	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
100	75. Koellner et al., "Crystal Structure of the Ternary Complex of <i>E. coli</i> Purine Nucleoside Phosphorylase with Formycin B, a Structural Analogue of the Substrate Inosine, and Phosphate (Sulphate) at 2.1 Å Resolution" <i>J. Mol. Biol.</i> , 280, pp. 153-166, Article No. mb981799 (1998)
	76. Köhler and Milstein "Continuous cultures of fused cells secreting antibody of predefined specificity" <i>Nature</i> , Vol. 256, pp. 495-497 (August 7, 1975)
	77. Landergreen et al. "A Ligase-Mediated Gene Detection Technique" <i>Science</i> , Vol. 241, pp. 1077-1080 (August 26, 1988)
	78. Landergreen et al. "DNA Diagnostics-Molecular Techniques and Automation" <i>Science</i> , Vol. 242, pp. 229-237 (October 14, 1988)
	79. Langer, "New Methods of Drug Delivery" <i>Science</i> , Vol. 249, pp. 1527-1533 (September 28, 1990)
	80. Lee and Nathans, "Proliferin Secreted by Cultured Cells Binds to Mannose 6-Phosphate Receptors" <i>The Journal of Biological Chemistry</i> , Vol. 263, No. 7, pp. 3521-3527 (March 5, 1988)
	81. Maloy et al., <i>Genetic Analysis of Pathogenic Bacteria: A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press (1996)
	82. Mancini et al., "Cloning and Expression of the <i>Photobacterium phosphoreum</i> Luminescence System Demonstrates a Unique <i>lux</i> Gene Organization" <i>Journal of Biological Chemistry</i> , Vol. 263, No. 28, pp. 14308-14314 (1988)
	83. Manefield et al., "Evidence that halogenated furanones from <i>Delisea pulchra</i> inhibit acylated homoserine lactone (AHL)-mediated gene expression by displacing the AHL signal from its receptor protein" <i>Microbiology</i> , 145, pp. 283-291, (1999)
	84. Manefield et al., "Inhibition of Luminescence of Virulence in the Black Tiger Prawn ( <i>Penaeus monodon</i> ) Pathogen <i>Vibrio harveyi</i> by Intercellular Signal Antagonists" <i>Applied and Environmental Microbiology</i> , Vol. 66, No. 5, pp. 2079-2084 (May 2000)
	85. Mao et al., "The crystal structure of <i>Escherichia coli</i> purine nucleoside phosphorylase: a comparison with the human enzyme reveals a conserved topology" <i>Structure</i> , Research Article, Vol. 5, No. 10, pp. 1373-1383 (1997)
	86. Marmur, "A Procedure for the Isolation of Deoxyribonucleic Acid from Micro-organisms" <i>J. Mol. Biol.</i> , 3, pp. 208-218 (1961)
	87. Martin et al., "Identification of a Locus Controlling Expression of Luminescence Genes in <i>Vibrio harveyi</i> " <i>Journal of Bacteriology</i> , Vol. 171, No. 5, pp. 2406-2414 (May 1989)
	88. Miller and Duerr, "S-Ribosylhomocysteine Cleavage Enzyme from <i>Escherichia coli</i> " <i>The Journal of Biological Chemistry</i> , Vol. 243, No. 1, pp. 92-97 (1968)
	89. Miller, <i>A Short Course in Bacterial Genetics: A Laboratory Manual and Handbook for Escherichia coli and Related Bacteria</i> , Cold Spring Harbor Laboratory Press (1992)
	90. Nealson and Hastings, "Bacterial Bioluminescence: Its Control and Ecological Significance" <i>Microbiological Reviews</i> , pp. 498-518 (December 1979)
	91. Otto et al., "Structure of the pheromone peptide of the <i>Staphylococcus epidermidis</i> agr system" <i>FEBS Letters</i> , 424, pp. 89-94 (1998)
	92. Otto et al., "Inhibition of virulence factor expression in <i>Staphylococcus aureus</i> by the <i>Staphylococcus epidermidis</i> agr pheromone and derivatives" <i>FEBS Letters</i> , 450, pp. 257-262 (1999)
	93. Payne, "Detection, Isolation, and Characterization of Siderophores" <i>Methods in Enzymology</i> , Vol. 235, pp. 329-344 (1994)
	94. Plunkett and Ellman, "Combinatorial Chemistry and New Drugs" <i>Scientific American</i> , pp. 69-73, (April 1997)
	95. Poustka and Lehrach, "Genetic approaches to the cloning modification and characterization of cosmid clones and clone libraries" <i>Choice and use of cosmid vectors</i> , Ch. 3, pp. 57
	96. <i>Remington's Pharmaceutical Sciences</i> , 15 <sup>th</sup> Ed. Easton, Mack Publishing Co., pp. 1461-1487 (1975)
	97. Rosenberg et al., "Vectors for selective expression of cloned DNAs by T7 RNA polymerase" <i>Gene</i> , 56, pp. 125-135 (1987)
	98. Saiki et al., "A Novel Method for the Detection of Polymorphic Restriction Sites by Cleavage of Oligonucleotide Probes: Application to Sickle-Cell Anemia" <i>Bio/Technology</i> , 3:1008-1012 (1985)
	99. Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> 2 <sup>nd</sup> Ed., Cold Spring Harbor Laboratory Press (1989)
	100. Schägger and von Jagow, "Tricine-Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis for the Separation of Proteins in the Range from 1 to 100 kDa" <i>Analytical Biochemistry</i> , 186, pp. 368-379 (1987)
	101. Schwyn and Neillands, "Universal Chemical Assay for the Detection and Determination of Siderophores" <i>Analytical Biochemistry</i> , 160, pp. 47-56 (1987)

EXAMINER 100. [Signature]	DATE CONSIDERED 10-11-08
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. PUNIV.4DV1C1	APPLICATION NO. Filed herewith
	APPLICANT Bassler, et al.	
	FILING DATE Filed herewith	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
lc	102.	Showalter et al., "Cloning and Nucleotide Sequence of <i>luxR</i> , a Regulatory Gene Controlling Bioluminescence in <i>Vibrio harveyi</i> " <i>Journal of Bacteriology</i> , Vol. 172, No. 6, pp. 2946-2954 (June 1990)
f	103.	Sitnikov et al., "Control of cell division in <i>Escherichia coli</i> : Regulation of transcription of <i>ftsQA</i> involves both <i>rpoS</i> and <i>SdiA</i> -mediated autoinduction" <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 93, pp. 336-341 Microbiology (1996)
	104.	Sizemore et al., "Organization, promoter analysis and transcriptional regulation of the <i>Staphylococcus xylosus</i> xylose utilization operon" <i>Mol. Gen. Genet.</i> , 227, pp. 337-384 (1991)
	105.	Strathern et al., <i>The Molecular Biology of the Yeast Saccharomyces</i> , Cold Spring Harbor Laboratory Press (1982)
	106.	Surette and Bassler, "Quorum sensing in <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> " <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 95, pp. 7046-7050 (1998)
	107.	Surette and Bassler, "Regulation of autoinducer production in <i>Salmonella typhimurium</i> " <i>Molecular Microbiology</i> , 31(2), pp. 585-595 (1999)
	108.	Surette et al., "Quorum sensing in <i>Escherichia coli</i> , <i>Salmonella typhimurium</i> , and <i>Vibrio harveyi</i> : A new family of genes responsible for autoinducer production" <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 96, pp. 1839-1844 (February 1999)
	109.	Walker and Duerr, "S-Adenosylhomocysteine Metabolism in Various Species" <i>Can. J. Biochem.</i> , Vol. 53, pp. 312-319 (1975)
	110.	Wang et al., "A factor that positively regulates cell division by activating transcription of the major cluster of essential cell division genes of <i>Escherichia coli</i> " <i>The EMBO Journal</i> , Vol. 10, No. 11, pp. 3363-3372 (1991)
	111.	Yin et al., "Substrate Binding Stabilizes S-Adenosylhomocysteine Hydrolase in a Closed Conformation" <i>Biochemistry</i> , 39, pp. 9811-9818 (2000)
	112.	Becker et al. (1997) "Evidence for Interspecies Communication and its Potential Role in Pathogen Suppression in a Naturally Occurring Disease Suppressive Soil", <i>Canadian Journal of Microbiology</i> , 43:985-990
	113.	Manefield et al. (2001) "Halogenated Furanones from the Red Alga, <i>Delisea pulchra</i> , Inhibit Carbapenem Antibiotic Synthesis and Exoenzyme Virulence Factor Production in the Phytopathogen <i>Erwinia carotovora</i> ", <i>Federation of European Microbiological Societies - Microbiology Letters</i> , 205:131-138
	114.	Schaefer et al. (1996) "Quorum Sensing in <i>Vibrio fischeri</i> : Probing Autoinducer-LuxR Interactions with Autoinducer Analogs", <i>Journal of Bacteriology</i> , 178(10):2897-2901
	115.	Sofer et al. (1999) "Subinhibitory Erythromycin Represses Production of <i>Pseudomonas aeruginosa</i> Lectins, Autoinducer and Virulence Factors", <i>Chemotherapy Microbiology</i> , 45:335-341
	116.	Lilley et al. (2000) "Regulation of Quorum Sensing in <i>Vibrio harveyi</i> by LuxO and Sigma-54", <i>Molecular Microbiology</i> , 6(4):940-954, Blackwell Science Ltd.
	117.	Klose et al. (1998) "Identification of Multiple $\sigma^{54}$ -Dependent Transcriptional Activators in <i>Vibrio chlorae</i> " <i>Journal of Bacteriology</i> , 180(19):5256-5259, American Society for Microbiology
	118.	Swartzman et al. (1992) "Vibrio harveyi RNA Polymerase: Purification and Resolution from Gyrase A" <i>Biochemistry Cell Biology</i> , 70:698-702
	119.	O'Toole et al. (1997) "RpoN of the Fish Pathogen <i>Vibrio (Listonella) anguillarum</i> is Essential for Flagellum Production and Virulence by the Water-Borne but not Intraperitoneal Route of Inoculation" <i>Microbiology</i> , 143:3849-3859
	120.	Ikegami et al. (2000) "Cloning and Characterization of the Gene Encoding RNA Polymerase Sigma Factor $\sigma^{54}$ of Deep-Sea Piezophilic <i>Shewanella violacea</i> " <i>Biochimica et Biophysica Acta</i> , 1491:315-320
	121.	Kawagishi et al. (1997) "Cloning of <i>Vibrio alginolyticus</i> <i>rpoN</i> Gene that is Required for Polar Flagellar Formation" <i>Journal of Bacteriology</i> , 179(21):6851-6854, American Society for Microbiology
	122.	Fuqua, Clay et al., <i>Annual Review of Microbiology</i> , Vol. 50, pp. 727-751, 1996 (full text, dialog print out)
	123.	Genbank Accession number Ae000353, dated November 1, 1997, Autoinducer-2 production protein LuxS
	124.	Gilson, L. et al., <i>Journal of Bacteriology</i> , Vol. 177(23), pp. 6946-6951, December 1995
	125.	Jones, S. et al., <i>The EMBO Journal</i> , Vol. 12(6), pp. 2477-2482, 1993
	126.	Kuo et al., "Modulation of Luminescence Operon Expression by N-Octanoyl-L-Homoserine Lactone in <i>alnS</i> Mutants of <i>Vibrio fischeri</i> ", <i>Journal of Bacteriology</i> , Vol. 178, No. 4, February 1998, pp. 971-976
	127.	Lin, J. et al., <i>Biochemical and Biophysical Research Communications</i> , pp. 638-647, May 24, 1995, Vol. 210(3)
lc	128.	Lin, J. et al., <i>Biochemical and Biophysical Research Communications</i> , Vol. 219, pp. 868-875, 1996

EXAMINER <i>Wde</i>	DATE CONSIDERED <i>10-11-05</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. PUNIV.4DV1C1	APPLICATION NO. Filed herewith
	APPLICANT Bassler, et al.	
	FILING DATE Filed herewith	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
U	129.	Pesci, E.C. et al. Journal of Bacteriology, Vol. 179(10), pp. 3127-3132, May 1997
J	130.	Salmond, G.P.C. et al., Molecular Biology, Vol. 16(4), pp. 615-624, 1995
J	131.	Sun, T.S.C. et al., Journal of AOAC International, Vol. 76(4), pp. 893-898, 1993
U	132.	Swift, S. et al., Molecular Biology, Vol. 10(3), pp. 511-520, 1993

S:\DOCS\UOM\UOM-5790.DOC:030904

EXAMINER <u>Uc Clo</u>	DATE CONSIDERED <u>10-11-05</u>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	